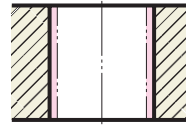


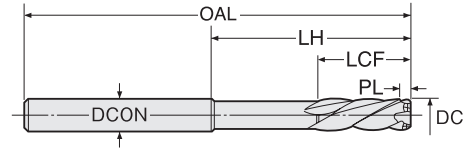
# NIKKEN CARBIDE MILL REAMER DLC COATING



## HMS-DLC Carbide Mill Reamer (DLC Coating)



Explanation of the Code No.  
**HMS - 10.0 - DLC**  
 • DLC COATING  
 • DIAMETER  
 • MILLREAMER SERIES  
 HMS : STRAIGHT SHANK FOR THROUGH HOLE



**MILLING BLADE** **LH-HELIX 30-35°** **DLC COAT** **P.136** \*See P.4 for icons.

STOCK: ●=STANDARD STOCK ITEM(IN JAPAN) △=PRODUCTION BY ORDER

Code No.	STOCK	DC H7	OAL	DCON	PL	LCF	LH
HMS- 2.95-DLC	△	2.95	60	3	4.0	16	35
- 2.96-DLC	△	2.96					
- 2.97-DLC	△	2.97					
- 2.98-DLC	△	2.98					
- 2.99-DLC	△	2.99					
- 3.0 -DLC	△	3.0					
- 3.01-DLC	△	3.01	60	3	4.0	16	35
- 3.02-DLC	△	3.02					
- 3.03-DLC	△	3.03					
- 3.04-DLC	△	3.04					
- 3.05-DLC	△	3.05					
- 3.1 -DLC	△	3.1					
- 3.2 -DLC	△	3.2	60	4	4.4	18	35
- 3.3 -DLC	△	3.3					
- 3.4 -DLC	△	3.4					
- 3.5 -DLC	△	3.5					
- 3.6 -DLC	△	3.6					
- 3.7 -DLC	△	3.7					
- 3.8 -DLC	△	3.8	60	4	4.8	18	35
- 3.9 -DLC	△	3.9					
- 3.97-DLC	△	3.97					
- 3.98-DLC	△	3.98					
- 3.99-DLC	△	3.99					
- 4.0 -DLC	△	4.0					
- 4.01-DLC	△	4.01	60	4	4.8	18	35
- 4.02-DLC	△	4.02					
- 4.03-DLC	△	4.03					
- 4.04-DLC	△	4.04					
- 4.05-DLC	△	4.05					
- 4.1 -DLC	△	4.1					
- 4.2 -DLC	△	4.2	75	5	4.8	22	45
- 4.3 -DLC	△	4.3					
- 4.4 -DLC	△	4.4					
- 4.5 -DLC	△	4.5					
- 4.6 -DLC	△	4.6					
- 4.7 -DLC	△	4.7					
- 4.8 -DLC	△	4.8	75	5	4.8	22	45
- 4.9 -DLC	△	4.9					
- 4.97-DLC	△	4.97					
- 4.98-DLC	△	4.98					
- 4.99-DLC	△	4.99					
- 5.0 -DLC	△	5.0					
- 5.01-DLC	△	5.01	75	5	4.8	22	45
- 5.02-DLC	△	5.02					
- 5.03-DLC	△	5.03					
- 5.04-DLC	△	5.04					
- 5.05-DLC	△	5.05					
- 5.1 -DLC	△	5.1					
- 5.2 -DLC	△	5.2	100	6	5.1	25	65
- 5.3 -DLC	△	5.3					
- 5.4 -DLC	△	5.4					
- 5.5 -DLC	△	5.5					
- 5.6 -DLC	△	5.6					
- 5.7 -DLC	△	5.7					
- 5.8 -DLC	△	5.8	100	6	5.4	25	65
- 5.9 -DLC	△	5.9					
- 5.97-DLC	△	5.97					
- 5.98-DLC	△	5.98					
- 5.99-DLC	△	5.99					
- 5.98-DLC	△	5.98					

Code No.	STOCK	DC H7	OAL	DCON	PL	LCF	LH
HMS- 5.99-DLC	△	5.99	100	6	5.4	25	65
- 6.0 -DLC	△	6.0					
- 6.01-DLC	△	6.01					
- 6.02-DLC	△	6.02					
- 6.03-DLC	△	6.03					
- 6.04-DLC	△	6.04					
- 6.05-DLC	△	6.05	100	6	5.4	25	65
- 6.1 -DLC	△	6.1					
- 6.2 -DLC	△	6.2					
- 6.3 -DLC	△	6.3					
- 6.4 -DLC	△	6.4					
- 6.5 -DLC	△	6.5					
- 6.6 -DLC	△	6.6	110	8	5.6	25	70
- 6.7 -DLC	△	6.7					
- 6.8 -DLC	△	6.8					
- 6.9 -DLC	△	6.9					
- 6.97-DLC	△	6.97					
- 6.98-DLC	△	6.98					
- 6.99-DLC	△	6.99	110	8	6.0	25	70
- 7.0 -DLC	△	7.0					
- 7.01-DLC	△	7.01					
- 7.02-DLC	△	7.02					
- 7.03-DLC	△	7.03					
- 7.04-DLC	△	7.04					
- 7.05-DLC	△	7.05	110	8	6.0	25	70
- 7.1 -DLC	△	7.1					
- 7.2 -DLC	△	7.2					
- 7.3 -DLC	△	7.3					
- 7.4 -DLC	△	7.4					
- 7.5 -DLC	△	7.5					
- 7.6 -DLC	△	7.6	125	8	6.4	25	85
- 7.7 -DLC	△	7.7					
- 7.8 -DLC	△	7.8					
- 7.9 -DLC	△	7.9					
- 7.97-DLC	△	7.97					
- 7.98-DLC	△	7.98					
- 7.99-DLC	△	7.99	125	8	6.6	25	85
- 8.0 -DLC	△	8.0					
- 8.01-DLC	△	8.01					
- 8.02-DLC	△	8.02					
- 8.03-DLC	△	8.03					
- 8.04-DLC	△	8.04					
- 8.05-DLC	△	8.05	125	8	6.6	25	85
- 8.1 -DLC	△	8.1					
- 8.2 -DLC	△	8.2					
- 8.3 -DLC	△	8.3					
- 8.4 -DLC	△	8.4					
- 8.5 -DLC	△	8.5					
- 8.6 -DLC	△	8.6	135	10	6.8	25	90
- 8.7 -DLC	△	8.7					
- 8.8 -DLC	△	8.8					
- 8.9 -DLC	△	8.9					
- 8.97-DLC	△	8.97					
- 8.98-DLC	△	8.98					
- 8.99-DLC	△	8.99	135	10	7.0	25	90
- 9.0 -DLC	△	9.0					
- 9.01-DLC	△	9.01					
- 9.02-DLC	△	9.02					
- 9.01-DLC	△	9.01					
- 9.02-DLC	△	9.02					

CARBIDE FOR THROUGH HOLE

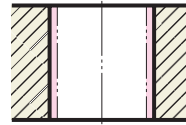


★PL means chamfering length to ΦDC.

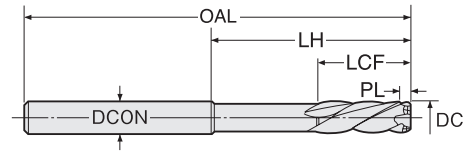
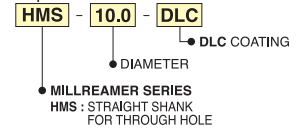
# NIKKEN CARBIDE MILL REAMER DLC COATING



## HMS-DLC Carbide Mill Reamer (DLC Coating)



Explanation of the Code No.



- MILLING BLADE
  - LH-HELIX 30-35°
  - DLC COAT
  - P.136
- \*See P.4 for icons.

STOCK: ●=STANDARD STOCK ITEM(IN JAPAN) △=PRODUCTION BY ORDER

Code No.	STOCK	DC H7	OAL	DCON	PL	LCF	LH
HMS- 9.03-DLC	△	9.03	135	10	7.0	25	90
- 9.04-DLC	△	9.04					
- 9.05-DLC	△	9.05					
- 9.1 -DLC	△	9.1					
- 9.2 -DLC	△	9.2					
- 9.3 -DLC	△	9.3	150	10	7.1	29	100
- 9.4 -DLC	△	9.4					
- 9.5 -DLC	△	9.5					
- 9.6 -DLC	△	9.6					
- 9.7 -DLC	△	9.7					
- 9.8 -DLC	△	9.8	150	10	7.2	29	100
- 9.9 -DLC	△	9.9					
- 9.97-DLC	△	9.97					
- 9.98-DLC	△	9.98					
- 9.99-DLC	△	9.99					
-10.0 -DLC	△	10.0	150	10	7.2	29	100
-10.01-DLC	△	10.01					
-10.02-DLC	△	10.02					
-10.03-DLC	△	10.03					
-10.04-DLC	△	10.04					
-10.05-DLC	△	10.05	155	12	7.6	29	105
-10.1 -DLC	△	10.1					
-10.2 -DLC	△	10.2					
-10.3 -DLC	△	10.3					
-10.4 -DLC	△	10.4					
-10.5 -DLC	△	10.5	155	12	7.9	29	105
-10.6 -DLC	△	10.6					
-10.7 -DLC	△	10.7					
-10.8 -DLC	△	10.8					
-10.9 -DLC	△	10.9					
-10.97-DLC	△	10.97	155	12	7.9	29	105
-10.98-DLC	△	10.98					
-10.99-DLC	△	10.99					
-11.0 -DLC	△	11.0					
-11.01-DLC	△	11.01					
-11.02-DLC	△	11.02					
-11.03-DLC	△	11.03					
-11.04-DLC	△	11.04					
-11.05-DLC	△	11.05					
-11.1 -DLC	△	11.1	160	12	7.9	29	105
-11.2 -DLC	△	11.2					
-11.3 -DLC	△	11.3					
-11.4 -DLC	△	11.4					
-11.5 -DLC	△	11.5					
-11.6 -DLC	△	11.6	160	12	7.9	29	105
-11.7 -DLC	△	11.7					
-11.8 -DLC	△	11.8					
-11.9 -DLC	△	11.9					
-11.97-DLC	△	11.97					
-11.98-DLC	△	11.98	160	12	7.9	29	105
-11.99-DLC	△	11.99					
-12.0 -DLC	△	12.0					
-12.01-DLC	△	12.01	160	12	7.9	29	105

Code No.	STOCK	DC H7	OAL	DCON	PL	LCF	LH					
HMS-12.02-DLC	△	12.02	160	12	7.9	29	105					
-12.03-DLC	△	12.03										
-12.04-DLC	△	12.04										
-12.05-DLC	△	12.05										
-12.1 -DLC	△	12.1										
-12.2 -DLC	△	12.2	165	12	7.9	29	110					
-12.3 -DLC	△	12.3										
-12.4 -DLC	△	12.4										
-12.5 -DLC	△	12.5										
-12.6 -DLC	△	12.6										
-12.7 -DLC	△	12.7	165	12	8.2	29	110					
-12.8 -DLC	△	12.8										
-12.9 -DLC	△	12.9										
-12.97-DLC	△	12.97										
-12.98-DLC	△	12.98										
-12.99-DLC	△	12.99	165	12	8.2	29	110					
-13.0 -DLC	△	13.0										
-13.01-DLC	△	13.01										
-13.02-DLC	△	13.02										
-13.03-DLC	△	13.03										
-13.04-DLC	△	13.04	165	12	8.2	29	110					
-13.05-DLC	△	13.05										
-13.1 -DLC	△	13.1										
-13.2 -DLC	△	13.2										
-13.3 -DLC	△	13.3										
-13.4 -DLC	△	13.4	170	16	8.2	29	110					
-13.5 -DLC	△	13.5										
-13.6 -DLC	△	13.6										
-13.7 -DLC	△	13.7										
-13.8 -DLC	△	13.8										
-13.9 -DLC	△	13.9	170	16	9.0	29	115					
-13.97-DLC	△	13.97										
-13.98-DLC	△	13.98										
-13.99-DLC	△	13.99										
-14.0 -DLC	△	14.0										
-14.01-DLC	△	14.01	170	16	9.0	29	115					
-14.02-DLC	△	14.02										
-14.03-DLC	△	14.03										
-14.04-DLC	△	14.04										
-14.05-DLC	△	14.05										
-14.5 -DLC	△	14.5	180	16	9.0	29	120					
-15.0 -DLC	△	15.0										
-15.5 -DLC	△	15.5						185	16	9.4	30	125
-16.0 -DLC	△	16.0										
-16.5 -DLC	△	16.5										
-17.0 -DLC	△	17.0	185	16	9.4	30	125					
-17.5 -DLC	△	17.5										
-18.0 -DLC	△	18.0										
-18.5 -DLC	△	18.5	195	20	9.4	30	130					
-19.0 -DLC	△	19.0										
-19.5 -DLC	△	19.5										
-20.0 -DLC	△	20.0	205	20	9.8	30	140					

★PL means chamfering length to  $\phi$ DC.

DLC coating reamer is for aluminium and non-ferrous metals reaming. Please select most suitable reamer for the other materials. **P.5, P.6**